

IN THE SPECIFICATION

Please amend the paragraph beginning at line 13 of page 2 as follows:

--Multipath and intersymbol interference adversely affects affect the ability of the receiver to correctly receive the symbols transmitted by the transmitter. Therefore, designers add equalizers to receivers in order to cancel the effects of multipath and intersymbol interference and thereby improve signal reception.--

Please amend the paragraph beginning at line 21 of page 7 as follows:

--~~The invention described in U.S. Patent Application Serial No. (7227) uses~~ It has been known internally by assignee to use these characteristics to substantially reduce the computation load in the conjugate gradient algorithm and to even eliminate the need to form the input auto-correlation matrix. Accordingly, the improved conjugate gradient algorithm disclosed in that application may be used to achieve satisfactory convergence times for equalizers.--

Please amend the paragraph beginning at line 5
of page 8 as follows:

--~~The (7227) application also suggests~~ It has
also been known internally by assignee that the conjugate
gradient algorithm can be used to estimate channels. The
present invention reduces the computation complexity in
performing the conjugate gradient algorithm with respect
to channel estimators.--